

How to replace the front hub bearing on FIAT PUNTO 188

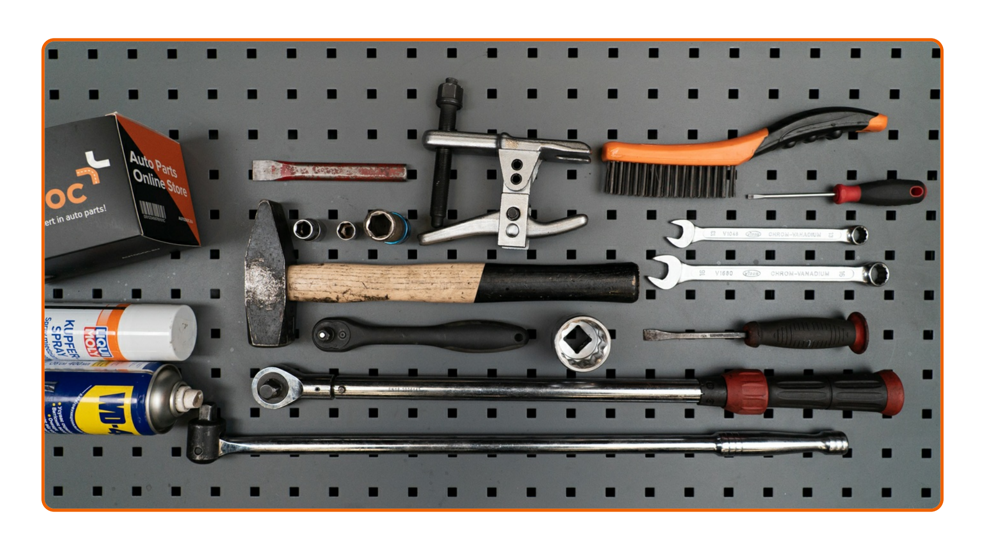
 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
FIAT DOBLO Cargo (223_) 1.3 JTD 16V, FIAT DOBLO MPV (119_, 223_) 1.3 JTD 16V, FIAT PUNTO (188_) 1.3 JTD 16V

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner N°13
- Combination spanner N°16
- Drive socket # 10
- Drive socket # 12
- Drive socket # 13
- Drive socket # 17
- Drive socket # 36
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat screwdriver
- Tap wrench
- Hammer
- Flat chisel
- Bush and bearing driver set
- Ball joint puller
- Crow bar
- Wheel chock

AUTODOC recommends:

- Do not re-use the bearing assembly of your FIAT PUNTO 188 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.

AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6.1



Unscrew the brake caliper fastening

6.2



Use a drive socket #17. Use a ratchet wrench. Use a tap wrench.

7

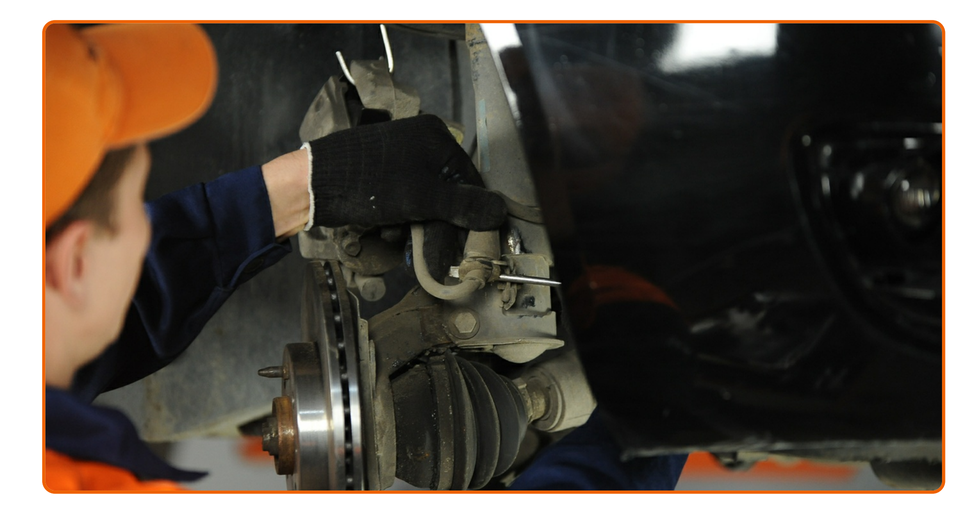


Remove the brake caliper.

AutoDoc recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

8



Disconnect the brake hose holder from the shock absorber strut. Use a flat screwdriver.

9.1



Unscrew the brake disc fastening Use a drive socket #12. Use a ratchet wrench.

10



Remove the brake disc.

11

Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

12



Unscrew the wheel hub fastening nut Use a drive socket #36.

13



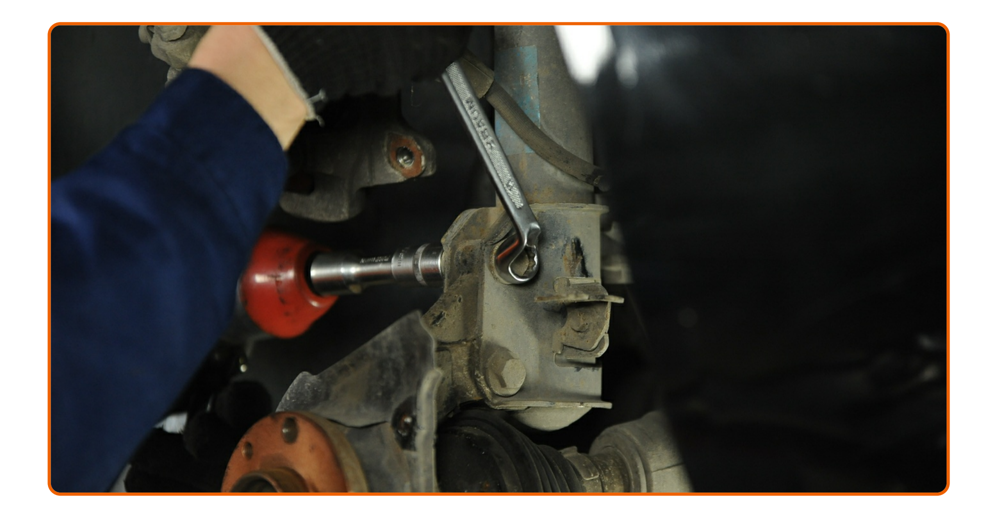
Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

14



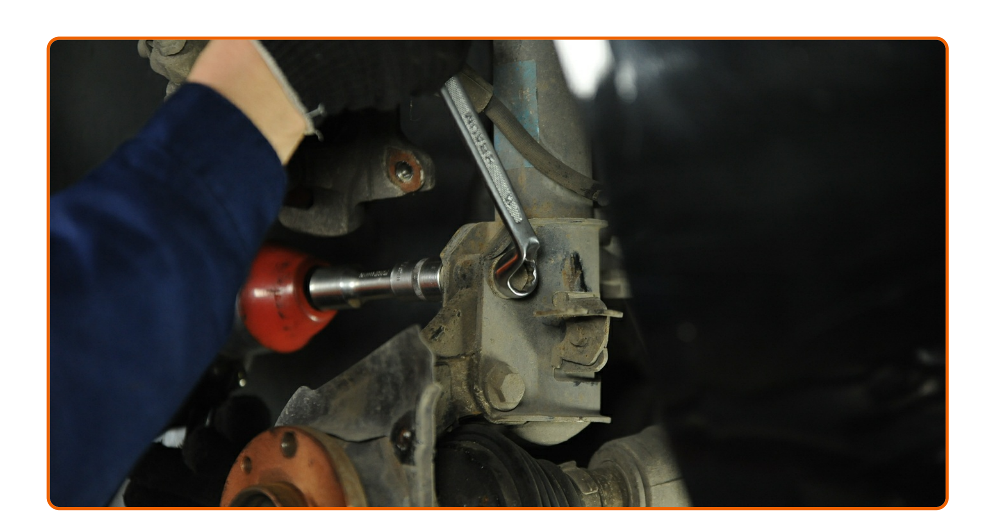
Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

15.1



Unscrew the lower fastener of the shock absorber strut.

15.2



Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.

16



Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.

17

Remove the fastening bolts. Use a hammer.

18

Disconnect the ball joint from the steering knuckle

19

Remove the drive shaft from the wheel hub.



21



Remove the ABS sensor from the steering knuckle.

22

Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

23



Remove the steering knuckle together with the hub.

24

Press the wheel hub out from the tapered roller bearing. Use a hammer.

25



Remove the retaining ring from the steering knuckle. Use a flat screwdriver.

26.1



Press out the wheel hub bearing.

26.2



26.3



27



Press the new bearing in the steering knuckle.

28



Install the retaining ring in the steering knuckle. Use a flat screwdriver.

29

Press the wheel hub into the bearing inner race.

30



Install the steering knuckle with a hub in assembly.

31

Install the fastening bolts.

32



Use a crowbar. Install the drive shaft into the wheel hub.

33.1



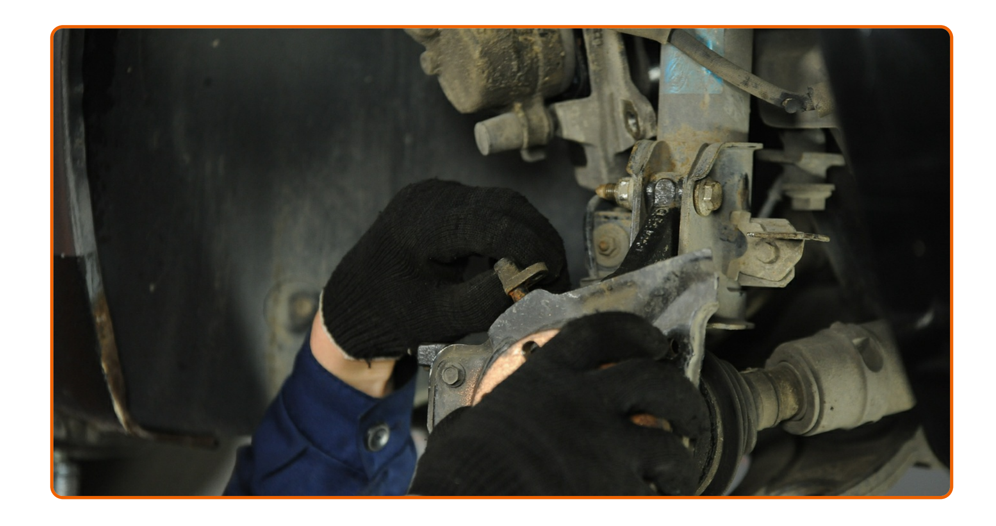
Tighten the lower fasteners connecting the shock strut to the steering knuckle.

33.2



Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 95 Nm torque.

34



Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10.

35.1



Screw the hub nut.

35.2



Use a drive socket #36. Use a tap wrench.

36



Restake the wheel hub retaining nut. Use a pin punch. Use a hammer.

37



Install the brake disc and secure it. Use a drive socket #12.

38



Use a ratchet wrench.

39.1



Install the brake caliper and fix it.



39.2



Use a drive socket #12.

39.3



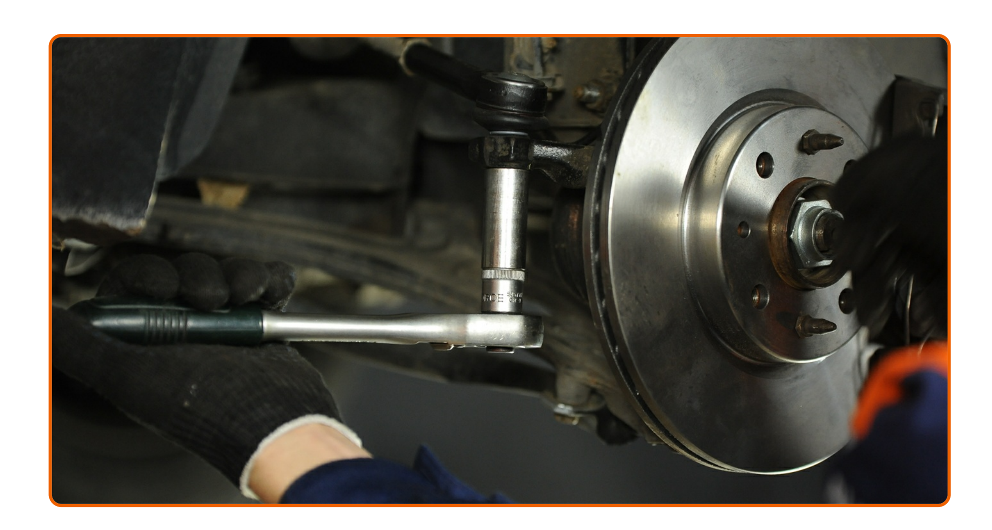
Use a torque wrench. Tighten it to 35 Nm torque.

40



Connect the brake hose fastener to the shock absorber strut.

41



Connect the tie rod end to the steering knuckle and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 70 Nm torque.

42

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



43



Install the wheel.

AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

44

Screw in the wheel bolts. Use wheel impact socket #17.

45



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.

46

Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

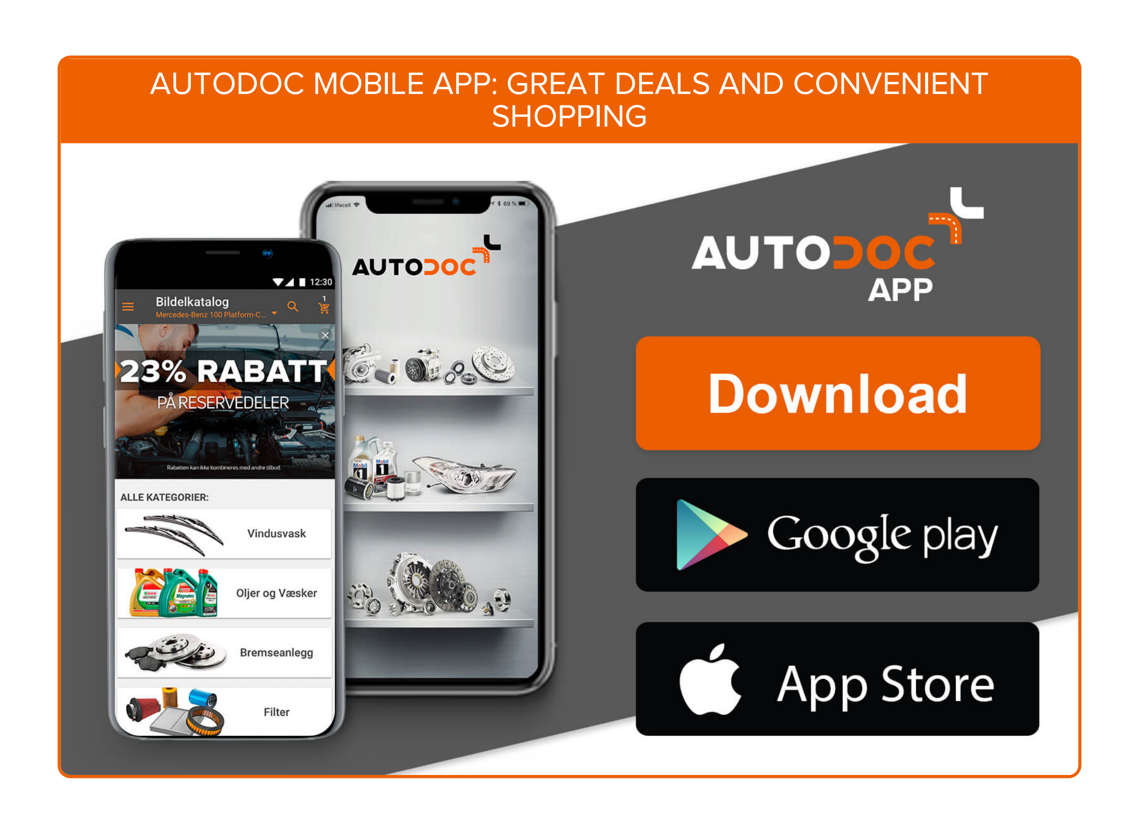
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